

1. Record Nr.	UNINA9910437943203321
Autore	Beck Travis
Titolo	Principles of Ecological Landscape Design / / by Travis Beck
Pubbl/distr/stampa	Washington, DC : , : Island Press/Center for Resource Economics : , : Imprint : Island Press, , 2013
ISBN	9781597263573 1597263575 9781610911993 1610911997
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (296 p.)
Disciplina	577
Soggetti	Ecology Landscape architecture Sociology, Urban Social sciences Humanities Applied ecology Landscape ecology Environmental Sciences Landscape Architecture Urban Sociology Humanities and Social Sciences Applied Ecology Landscape Ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Acknowledgments -- Foreword -- Introduction -- 1. Right Plant, Right Place: Biogeography and Plant Selection -- 2. Beyond Massing: Working with Plant Populations and Communities -- 3. The Struggle for Coexistence: On Competition and Assembling Tight Communities -- 4. Complex Creations: Designing and Managing Ecosystems -- 5. Maintaining the World as We Know It: Biodiversity for High-Functioning

Landscapes -- 6. The Stuff of Life: Promoting Living Soils and Healthy Waters -- 7. The Birds and the Bees: Integrating Other Organisms -- 8. When Lightning Strikes: Counting on Disturbance, Planning for Succession -- 9. An Ever-Shifting Mosaic: Landscape Ecology Applied -- 10. No Time Like the Present: Creating Landscapes for an Era of Global Change -- Bibliography -- Index.

Sommario/riassunto

Today, there is a growing demand for designed landscapes—from public parks to backyards—to be not only beautiful and functional, but also sustainable. Sustainability means more than just saving energy and resources. It requires integrating the landscapes we design with ecological systems. With *Principles of Ecological Landscape Design*, Travis Beck gives professionals and students the first book to translate the science of ecology into design practice. This groundbreaking work explains key ecological concepts and their application to the design and management of sustainable landscapes. It covers biogeography and plant selection, assembling plant communities, competition and coexistence, designing ecosystems, materials cycling and soil ecology, plant-animal interactions, biodiversity and stability, disturbance and succession, landscape ecology, and global change. Beck draws on real world cases where professionals have put ecological principles to use in the built landscape. The demand for this information is rising as professional associations like the American Society of Landscape Architects adopt new sustainability guidelines (SITES). But the need goes beyond certifications and rules. For constructed landscapes to perform as we need them to, we must get their underlying ecology right. *Principles of Ecological Landscape Design* provides the tools to do just that.
